

PATENT
Attorney Docket No. 4609
M&W No. APM/039-00

jc873 U.S. PTO
09/638075
08/11/00

BOX PATENT APPLICATION
Assistant Commissioner for Patents
Washington, D.C. 20231

In re Application of: **HIROJI HANAWA, YAN YE, KENNETH COLLINS, KARTIK RAMASWAMY, ANDREW NGUYEN, TSUTOMU TANAKA**

Entitled: **EXTERNALLY EXCITED TORROIDAL PLASMA SOURCE**

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Sir:

Enclosed herewith for filing is a patent application entitled EXTERNALLY EXCITED TO RROIDAL PLASMA SOURCE including 40 pages of specification, 34 claims and abstract, and 39 sheets of drawings (Figures 1-43). This application is being filed missing parts and specifically without a declaration by the inventors and without a filing fee. The application is being filed in the names of the inventors, Hiroji Hanawa, Yan Ye, Kenneth Collins, Kartik Ramaswamy, Andrew Nguyen, and Tsutomu Tanaka. Please address all correspondence to:

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Dated: August 11, 2000

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EXPRESS MAIL CERTIFICATE UNDER 37 CFR 1.10

Date: August 11, 2000

Label No.: EL703725793US

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I hereby certify that, on the date indicated above I deposited the attached Utility Patent Application Transmittal and every paper referred to therein with the U.S. Postal Service and that it was addressed for delivery to the Assistant Commissioner for Patents, BOX PATENT APPLICATION, Washington DC 20231 by "Express Mail Post Office to Addressee" service.

Shelly S. Hart
Name (Print)

Shelly S. Hart
Signature

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PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. 4609

First Inventor or Application Identifier Hiroji Hanawa, et al.

Title EXTERNALLY EXCITED TORROIDAL PLASMA SOURCE

Express Mail Label No. EL703725793US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☐ * Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)2. ☒ Specification (Total Pages 40)
(preferred arrangement set forth below)

- Descriptive title of the invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to Microfiche Appendix
- Background of the invention
- Brief Summary of the invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

3. ☒ Drawing(s) (35 U.S.C. 113) (Total Sheets 39)

4. Oath or Declaration (Total Pages)

a. ☐ Newly executed (original or copy)b. ☐ Copy from a prior application (37 C.F.R. § 1.63(d))
(for continuation/divisional with Box 16 completed)

- i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting
inventor(s) named in the prior application,
see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

**NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY
FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27). EXCEPT
IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).**ADDRESS TO: Assistant Commissioner for Patents
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Washington, DC 20231

- 5. ☐ Microfiche Computer Program (Appendix)
- 6. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. ☐ Computer Readable Copy
 - b. ☐ Paper Copy (identical to computer copy)
 - c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

- 7. ☐ Assignment Papers (cover sheet & document(s))
- 8. ☐ 37 C.F.R. § 3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)
- 9. ☐ English Translation Document (if applicable)
- 10. ☐ Information Disclosure ☐ Copies of IDS
Statement (IDS)/PTO-1449 Citations
- 11. ☐ Preliminary Amendment
- 12. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
- 13. ☐ * Small Entity ☐ Statement filed in prior application,
Statement(s) Status still proper and desired
(PTO/SB/09-12)
- 14. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
- 15. ☒ Other: Express Mail Certificate
under 37 CFR 1.10,
attached hereto

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No. _____

Prior application information: Examiner _____

Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS☐ Customer Number or Bar Code Label

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Date

08/11/00

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.